

# Comparisons of Job Characteristics

**Focus Occupation:** [Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic \(51-4072\)](#)

**Associated Occupation:** [Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers \(51-6091\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

|    |  |
|----|--|
| << | Focus occupation element is much lower             |
| <  | Focus occupation element is lower                  |
| 0  | Focus occupation element is at a similar level     |
| >  | Focus occupation element is at a higher level      |
| >> | Focus occupation element is at a much higher level |

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation:** [Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic \(51-4072\)](#)

**Associated Occupation:** [Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers \(51-6091\)](#)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |   |
|--|---------------------------------|--------------------------------|---------------------------|--------------------------------|---|
| Mechanical                                     | 6.8                             | 12.2                           | 8.1                       | <<                             | Extensive education and/or training may be required |
| Production and Processing                      | 6.0                             | 9.8                            | 10.1                      | 0                              | Current knowledge level may be sufficient           |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation:** [Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic \(51-4072\)](#)

**Associated Occupation:** [Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers \(51-6091\)](#)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |                                       |
|---|---------------------------------|--------------------------------|---------------------------|--------------------------------|---------------------------------------|
| Operation Monitoring                        | 6.6                             | 11.9                           | 11.4                      | 0                              | Current skill level may be sufficient |
| Operation and Control                       | 5.4                             | 10.3                           | 11.1                      | 0                              | Current skill level may be sufficient |
| Quality Control Analysis                    | 5.9                             | 9.3                            | 9.8                       | 0                              | Current skill level may be sufficient |
| Equipment Maintenance                       | 3.5                             | 9.1                            | 7.4                       | <                              | A higher skill level may be required  |
| Repairing                                   | 3.4                             | 9.0                            | 6.9                       | <                              | A higher skill level may be required  |
| Troubleshooting                             | 4.5                             | 7.9                            | 7.6                       | 0                              | Current skill level may be sufficient |
| Equipment Selection                         | 3.3                             | 6.6                            | 5.0                       | <                              | A higher skill level may be required  |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Abilities  |                                 | Similarity of Focus Occupation to Associated Occupation: 87 |                           |                                |   |
|--|---------------------------------|---|---------------------------|--------------------------------|---|
| Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)    |                                 |   |                           |                                |   |
| Associated Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091) |                                 |   |                           |                                |   |
| Associated Occupation's Key Abilities Elements   | Average Rating, All Occupations | Associated Occupation's Rating                              | Focus Occupation's Rating | Evaluation of Focus Occupation |   |
| Control Precision  | 6.6                             | 11.8  | 9.7                       | <                              | Some improvement in abilities may be required |
| Reaction Time  | 4.8                             | 10.5  | 8.7                       | <                              | Some improvement in abilities may be required |
| Finger Dexterity   | 7.6                             | 10.3  | 9.0                       | <                              | Some improvement in abilities may be required |
| Trunk Strength   | 5.7                             | 9.1   | 9.7                       | 0                              | Current ability level may be sufficient       |
| Auditory Attention   | 5.9                             | 8.9   | 9.7                       | 0                              | Current ability level may be sufficient       |
| Rate Control   | 3.8                             | 8.8   | 8.4                       | 0                              | Current ability level may be sufficient       |
| Response Orientation   | 4.0                             | 7.9   | 6.2                       | <                              | Some improvement in abilities may be required |
| Wrist-Finger Speed   | 3.2                             | 6.9   | 6.4                       | 0                              | Current ability level may be sufficient       |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common   |                         | Similarity of Focus Occupation to Associated Occupation: 91 |
|---|-------------------------|---|
| <b>Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)</b><br><b>Associated Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)</b> |                         |   |
| Work Activities   | Exclusivity of Activity |   |
| Adjust production equipment/machinery setup   | 25                      |   |
| Attach or mark identification onto products or containers   | 54                      |   |
| Clean equipment or machinery  | 20                      |   |
| Load or unload material or workpiece into machinery   | 34                      |   |
| Maintain consistent production quality  | 50                      |   |
| Maintain production or work records   | 19                      |   |
| Monitor production machinery/equipment operation to detect problems   | 27                      |   |
| Perform safety inspections in manufacturing or industrial setting   | 33                      |   |
| Use hand or power tools   | 2                       |   |
| Use precision measuring tools or equipment  | 17                      |   |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Tools and Technologies that Both Occupations Have in Common   |  | Similarity of Focus<br>Occupation to Associated<br>Occupation: n/a |
|---|--|--|
| Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)<br>Associated Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091) |  |  |
| Tools and Technologies  |  | Exclusivity  |
| Tools and technology data is unavailable for one or both occupations.   |  |  |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.